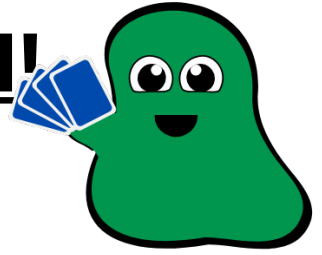# MEMBRANE MAYHEM!

2-5 players

Objective: Have all cellular components in your cell **without** any bacteria!

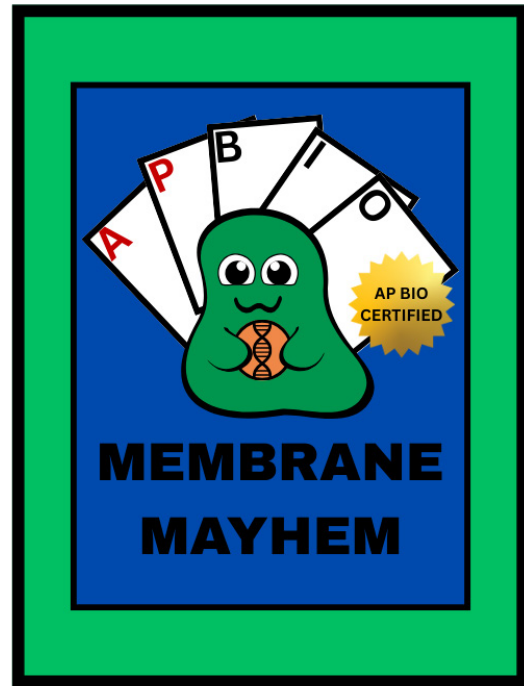## Setting up to play & starting:

- All players start with their cell membrane placemats and are dealt **five** organelle cards.

- The player who rolls the **highest** goes first

- To start your turn, you have **two action points**, meaning you can do two actions worth one point or one action worth two points

- After playing your turn, the player to the **right** goes next and starts their turn

- This process repeats until one player has **all** cellular components in their cell **without** any bacteria
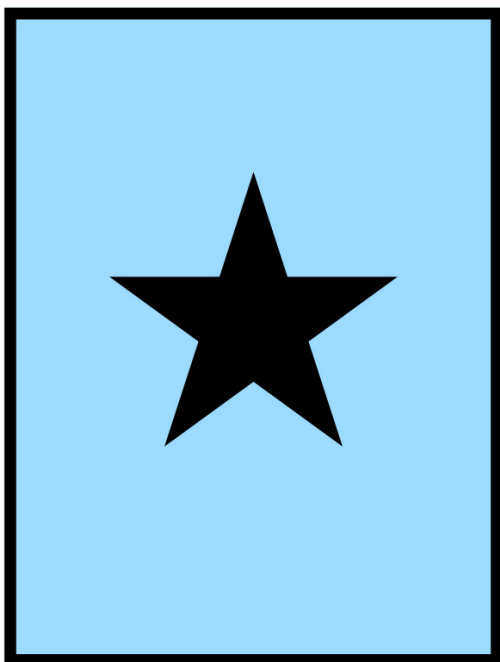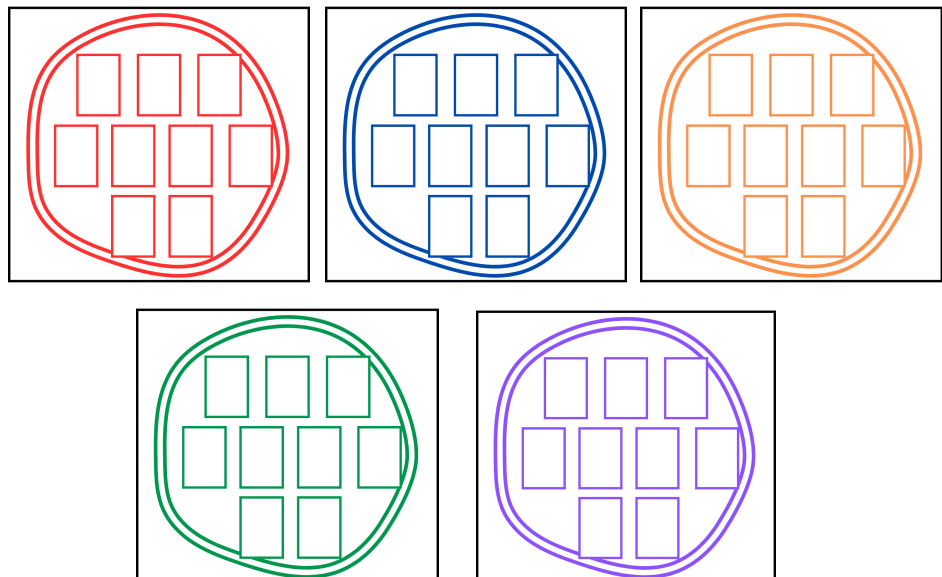
What's Included:

78 Green Cards

- 10 Ribosomes
- 8 Golgi bodies
- 6 Nuclei
- 7 Rough ERs
- 7 Smooth ERs
- 9 Mitochondria
- 8 Lysosomes
- 10 Cytoplasms
- 6 Vacuoles
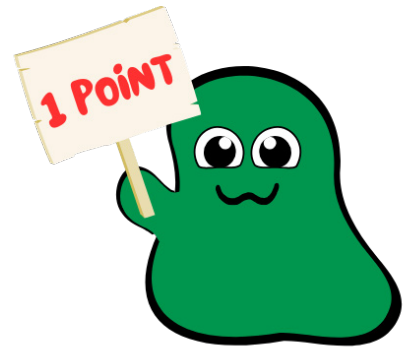- 4 Bacteria
- 4 Antibiotics

50 Trivia Cards

5 Placemats

Possible Actions

1 Action Point

1. Draw a card

2. Roll to get rid of bacteria or play an antibiotic

3. Roll the required number given at the bottom of the card to activate an effect, this uses an action point whether or not you succeed in activating the effect

2 Action Points

1. Play a card

   -->IF a card has stars next to the name of the organelle to play the card you must **correctly** answer a trivia question from the blue star deck. When doing a trivia question **another player** will read out the question and decide if the given answer matches the one on the card.

   -->IF the card being played has a special effect when first played you can take that effect for **free** that turn

   -->IF the card is a bacteria card, it can only be played in **another player's cell**

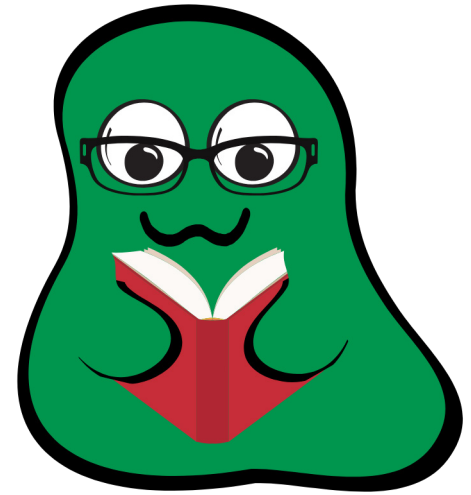2. Discard your entire hand and draw five new cards

3. Craft a trade by asking if anyone has a card that you need, the action points are **only** used if a trade is **successfully** made

3

Rules

- Players can have no more than five cards in their hand at a time. If a player has more than five cards, then another player randomly selects a card from their hand and discards it until the player has five cards

- Trading of cards between players is allowed, however, this counts as a 2 Point Action for the player that initiates the trade. Players may disclose what cards they have as they wish

- If no player has successfully collected all organelles without any bacteria cards after 20 minutes, then the player with the most organelles in their cell wins regardless of whether they have a bacteria card or not. If two or more players have the same number of organelles, then any player who has a bacteria card in their cell cannot be the winner. If there are still two or more players with the same number of organelles and no bacteria in their cell, then a player who is not a part of the tie will draw a trivia card and ask it to the tied players. Whichever tied player correctly answers the question the fastest is deemed the winner

How Do I Read A Green Card?

Stars that indicate that to play the card, you need to correctly answer a trivia question.
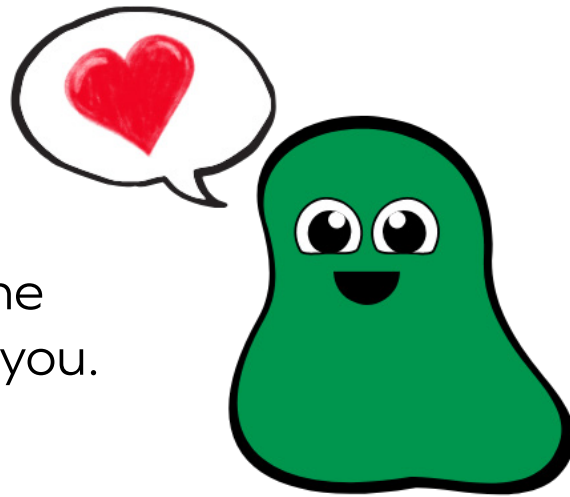
Organelle name

Organelle picture

Special action! You can do it for free the first time you play a card. Afterwards, you need to roll the dice.

What you need to roll on the dice to re-activate special action

★Golgi★

Steal a card from another player's hand

≥7

THANKS FOR TAKING THE TIME TO READ THE INSTRUCTIONS :)

Bobby says he appreciates you.

Works Cited

https://tse3.mm.bing.net/th/id/OIP.f21CMUlf6WnpZVyhPXBOXwHaGC?rs=1&pid=ImgDetMain

https://www.news-medical.net/image.axd?picture=Ribosome%20illustration%20-%20Timonina%20_thumb.jpg

https://www.ducksters.com/science/biology/cell_nucleus_structure_diagram.jpg

https://tse2.mm.bing.net/th/id/OIP.6IEevTpggzi0OThA1U5FxwAAAA?rs=1&pid=ImgDetMain

https://microbenotes.com/wp-content/uploads/2021/10/Rough-Endoplasmic-Reticulum-RER.jpeg

https://rsscience.com/wp-content/uploads/2020/10/Vacuole_cover_new.jpg

https://d1xuqjt1wg0fxw.cloudfront.net/62e756e0-4b5e-11ec-883d-4fe5be3738fd.jpg

https://tse4.mm.bing.net/th/id/OIP.qNyiIowi49h9bWrk95IsyQHaEo?rs=1&pid=ImgDetMain

https://tse2.mm.bing.net/th/id/OIP.eT9OssN0tTjqQ9q-8wu5PAHaFT?w=254&h=181&c=7&r=0&o=5&dpr=2&pid=1.7

https://tse3.mm.bing.net/th/id/OIP.7quaDDifx9O7xpyC3kfL5gHaE8?w=217&h=180&c=7&r=0&o=5&dpr=2&pid=1.7

https://tse2.mm.bing.net/th/id/OIP.iBGvPVxECoRAIues3SapkwHaH0?rs=1&pid=ImgDetMain

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